



PTO/SB/08a (04-07)

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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		Application Number	10/815,778
		Filing Date	April 2, 2004
		First Named Inventor	Gordana Vunjak-Novakovic
		Art Unit	1657
		Examiner Name	Satyendra K. Singh
Sheet 1	of 9	Attorney Docket Number	103248-010501

U. S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		3,772,432	11-13-1973	Balassa	
		4,501,269	02-26-1985	Bagby	
		4,904,259	02-27-1990	Itay	
		5,053,050	10-01-1991	Itay	
		5,118,512	06-02-1992	O'Leary et al.	
		5,284,155	02-08-1994	Treadwell et al.	
		5,513,662	04-30-1996	Morse et al.	
		5,716,413	02-10-1998	Walter et al.	
		5,814,084	09-28-1998	Grivas et al.	
		5,842,477	12-01-1998	Naughton et al.	
		5,972,368	10-26-1999	McKay	
		6,180,605	01-30-2001	Chen et al.	
		6,189,537	02-20-2001	Wolfenbarger, Jr.	
		6,242,247	06-05-2001	Rieser et al.	
		6,305,379	10-23-2001	Wolfenbarger, Jr.	
		6,306,174	10-23-2001	Gie et al.	
		6,440,141	08-27-2002	Philippon	
		6,454,811	09-24-2002	Sherwood et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>2</sup> Number <sup>1</sup> Kind Code <sup>3</sup> (if known)			
		EP 0517030 A2	12-09-1992	Man Ceramics Gmbh	
		WO 1999/009914 A1	03-04-1999	University of Florida Tissue Bank, Inc.	
		WO 2000/040177 A1	07-13-2000	LifeNet	
		WO 2002/064180 A1	08-22-2002	Regeneration Technologies Inc.	

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Sheet	2	of	3

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		6,458,375	10-01-2002	Gertzman et al.	
		6,520,964	02-18-2003	Tallarida et al.	
		6,626,950	09-30-2003	Brown et al.	
		6,632,247	10-14-2003	Boyer, II et al.	
		6,696,073	02-24-2004	Boyce et al.	
		6,767,369	06-27-2004	Boyer et al.	
		6,852,114	02-08-2005	Cerundolo	
		7,108,721	09-19-2006	Huckle et al.	
		7,141,072	11-28-2006	Coestlich	
		7,241,316	07-10-2007	Evans et al.	
		7,264,634	09-04-2007	Schmieding	
		7,291,169	11-06-2007	Hodorek	
		7,297,161	11-20-2007	Fell	
		7,316,822	01-08-2008	Binette et al.	
		7,338,492	03-04-2008	Singhatat	
		7,338,524	03-04-2008	Fell et al.	
		7,365,051	04-29-2008	Paulista et al.	
		7,537,780	05-26-2009	Mizuno et al.	
		2001/0031254 A1	10-18-2001	Bianchi et al.	
		2001/0039457 A1	11-08-2001	Boyer et al.	
		2001/0043940 A1	11-22-2001	Boyce et al.	

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		Country Code <sup>3</sup> Number, Kind Code <sup>4</sup> (if known)				
		WO 2008/021127 A2	02-12-2008	Howmedica Osteonics Corp.		
		WO 2008/106254 A2	09-04-2008	Musculoskeletal Transplant Foundation		

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		Number-Kind Code <sup>2</sup> (if known)			
		2002/0035401 A1	03-21-2002	Boyce et al.	
		2002/0042373 A1	04-11-2002	Carney et al.	
		2002/0055783 A1	05-09-2002	Tallanda et al.	
		2002/0082704 A1	06-27-2002	Cerundolo	
		2002/0120274 A1	08-29-2002	Overaker et al.	
		2003/0036801 A1	02-20-2003	Schwartz et al.	
		2003/0236573 A1	12-25-2003	Evans et al.	
		2004/0039447 A1	02-26-2004	Simon et al.	
		2004/0102850 A1	05-27-2004	Shepard	
		2004/0193268 A1	09-30-2004	Hazebrout	
		2005/0125077 A1	06-09-2005	Harmon et al.	
		2005/0222687 A1	10-06-2005	Vunjak-Novakovic et al.	
		2005/0228498 A1	10-13-2005	Andres	
		2006/0060209 A1	03-23-2006	Shepard	
		2006/0216323 A1	09-28-2006	Knaack et al.	
		2006/0235534 A1	10-19-2006	Gertzman et al.	
		2007/0026030 A1	02-01-2007	Gill et al.	

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		Country Code <sup>2</sup> Number • Kind Code <sup>3</sup> (if known)				
		WO 2009/076164 A2	06-18-2009	Musculoskeletal Transplant Foundation		
		WO 2009/111069 A3	09-11-2009	Musculoskeletal Transplant Foundation		
		EP 0517030 B1	09-04-1996	Man Ceramics GmbH		
		EP 1618178 B1	01-25-2006	Musculoskeletal Transplant Foundation		

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		Number-Kind Code (e.g., 2007/0041950 A1)			
		2007/0041950 A1	02-22-2007	Leatherbury et al.	
		2007/0067032 A1	03-22-2007	Felt et al.	
		2007/0083266 A1	04-12-2007	Lang	
		2007/0093896 A1	04-26-2007	Malinin	
		2007/0093912 A1	04-26-2007	Borden	
		2007/0100450 A1	05-03-2007	Hodorek	
		2007/0113951 A1	05-24-2007	Huang	
		2007/0128155 A1	06-07-2007	Seyedin	
		2007/0134291 A1	06-14-2007	Ting	
		2007/0135917 A1	06-14-2007	Malinin	
		2007/0135918 A1	06-14-2007	Malinin	
		2007/0135928 A1	06-14-2007	Malinin	
		2007/0168030 A1	07-19-2007	Edwards et al.	
		2007/0172506 A1	07-26-2007	Nycz et al.	
		2007/0185585 A1	08-09-2007	Bracy et al.	
		2007/0276506 A1	11-29-2007	Troxel	
		2007/0299519 A1	12-27-2007	Schmieding	
		2008/0015709 A1	01-17-2008	Evans et al.	
		2008/0031915 A1	02-07-2008	Becerra Ratia et al.	
		2008/0038314 A1	02-14-2008	Hunziker	
		2008/0039939 A1	02-14-2008	Iwamoto et al.	
		2008/0039955 A1	02-14-2008	Hunziker	
		2008/0051889 A1	02-28-2008	Hodorek	
		2008/0077251 A1	03-27-2008	Chen et al.	
		2008/0125868 A1	05-29-2008	Branemark	
		2008/0138414 A1	06-12-2008	Hunckle et al.	
		2008/0154372 A1	06-26-2008	Peckham	

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		2008/0167716 A1	07-10-2008	Schwartz et al.	
		2008/0183300 A1	07-31-2008	Seedhom et al.	
		5,989,289	11-23-1999	Coates et al.	
		6,200,347	03-13-2001	Anderson et al.	
		6,458,158	10-01-2002	Anderson et al.	
		6,497,726	12-24-2002	Carter et al.	
		6,893,462	05-17-2005	Buskirk et al.	
		6,902,578	06-07-2005	Anderson et al.	
		7,048,762	05-23-2006	Sander et al.	
		7,048,765	05-23-2006	Grooms et al.	
		7,479,160	01-20-2009	Branch et al.	
		7,513,910	04-07-2009	Buskirk et al.	
		2002/0072806 A1	06-13-2002	Buskirk et al.	
		2002/0138143 A1	09-26-2002	Grooms et al.	
		2004/0115172 A1	06-17-2004	Bianchi et al.	
		2005/0101957 A1	05-12-2005	Buskirk et al.	
		2005/0261681 A9	11-24-2005	Branch et al.	
		2005/0261767 A1	11-24-2005	Anderson et al.	
		7,537,617	05-26-2009	Bindsell et al.	
		7,550,007	06-23-2009	Malinin	
		7,563,455	07-21-2009	McKay	
		7,601,173	10-13-2009	Messerli et al.	
		7,608,113	10-27-2009	Boyer, II et al.	
		2009/0069904 A1	03-12-2009	Picha	
		2009/0099661 A1	04-16-2009	Bhattacharya et al.	
		2009/0131986 A1	05-21-2009	Lee et al.	
		2009/0210057 A1	08-20-2009	Liao et al.	

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## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
		Ornitz et al., "Protein Family Review: Fibroblast Growth Factors", Genome Biology (2001) 2(3): reviews 3005.1-3005.12, <a href="http://genomebiology.com/2001/2/3/reviews/3005.1">http://genomebiology.com/2001/2/3/reviews/3005.1</a> .	
		Loeser et al., "Basic Fibroblast Growth Factor Inhibits the Anabolic Activity of Insulin-like Growth Factor 1 and Osteogenic Protein 1 in Adult Human Articular Chondrocytes", Arthritis & Rheumatism, Vol. 52, No. 12 (December 2005), pp. 3910-3917.	
		Kato et al., "Fibroblast Growth Factor is an Inhibitor of Chondrocyte Terminal Differentiation", Journal of Biological Chemistry, Vol. 265, No. 10 (April 5, 1990) pp. 5903-5909.	
		Andrés et al., "A Pro-Inflammatory Signature Mediates FGF2-induced Angiogenesis", Journal of Cellular and Molecular Medicine, (June 28, 2008), available at <a href="http://www.ncbi.nlm.nih.gov/pubmed/18624773">http://www.ncbi.nlm.nih.gov/pubmed/18624773</a> .	
		Burger et al., "Fibroblast growth factor receptor-1 is expressed by endothelial progenitor cells", Blood, Vol. 100, No. 10 (November 15, 2002) 3527-35.	
		Baird, "Fibroblast growth factors: activities and significance of non-neurotrophin neurotrophic growth factors", Current Opinions in Neurobiology, (1994) 4:78-86.	
		Mazué et al., "Preclinical and Clinical Studies with Recombinant Human Basic Fibroblast Growth Factor", Annals New York Academy of Sciences, (1991) 329-340.	
		Aviles et al., "Testing clinical therapeutic angiogenesis using basic fibroblast growth factor (FGF-2)", British Journal of Pharmacology (2003) 140: 637-646.	
		Bugbee, "Fresh Osteochondral Allografting", Operative Techniques in Sports Medicine, Apr. 2000, Vol. 8, No. 2, pp. 158-162.	
		Gilbert, et al., "Decellularization of Tissues and Organs", Biomaterials (2006) 27:3675-3683.	
		<a href="http://www.stoneclinic.com/articularcartilagepastegrafting">http://www.stoneclinic.com/articularcartilagepastegrafting</a> (Copyright 2009)	
		<a href="http://www.technobusiness-solutions.com/article-lyophilization1.html">http://www.technobusiness-solutions.com/article-lyophilization1.html</a> (published February 12, 2002)	
		Copy of a non-final Office Action mailed on July 9, 2008 in connection with U.S. Patent Application Serial No. 11/151,270.	
		Copy of a non-final Office Action mailed on October 5, 2005 in connection with U.S. Patent Application Serial No. 10/424,765.	

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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		Application Number	10/815,778		
		Filing Date	April 2, 2004		
		First Named Inventor	Gordana Vunjak-Novakovic		
		Art Unit	1657		
		Examiner Name	Satyendra K. Singh		
Sheet	8	of	9	Attorney Docket Number	103248-010501

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
		Copy of a non-final Office Action mailed on August 19, 2009 in connection with U.S. Patent Application Serial No. 12/147,042.	
		Copy of a non-final Office Action mailed on May 18, 2009 in connection with U.S. Patent Application Serial No. 11/657,042.	
		Copy of a non-final Office Action mailed on June 8, 2009 in connection with U.S. Patent Application Serial No. 11/481,955.	
		Copy of a non-final Office Action mailed on December 18, 2007 in connection with U.S. Patent Application Serial No. 11/081,103.	
		Copy of a non-final Office Action mailed on June 3, 2009 in connection with U.S. Patent Application Serial No. 11/081,103.	
		Copy of a non-final Office Action mailed on July 22, 2009 in connection with U.S. Patent Application Serial No. 12/010,984.	
		Copy of U.S. Patent Application Serial No. 12/508,892 filed July 24, 2009 entitled "CANCELLOUS CONSTRUCT WITH SUPPORT RING FOR REPAIR OF OSTEOCHONDRAL DEFECTS"	
		Copy of a Written Opinion issued on June 19, 2006 in connection with International Patent Application No. PCT/US2005/008798.	
		Copy of a International Preliminary Report on Patentability issued on November 1, 2006 in connection with International Patent Application No. PCT/US2005/008798.	
		Copy of a Written Opinion issued on October 28, 2005 in connection with International Patent Application No. PCT/US2004/010956.	
		Copy of a International Preliminary Report on Patentability issued on November 18, 2005 in connection with International Patent Application No. PCT/US2004/010956.	
		Copy of an International Search Report issued on June 23, 2009 in connection with International Patent Application No. PCT/US2008/051796.	
		Copy of a Written Opinion issued on June 23, 2009 in connection with International Patent Application No. PCT/US2008/051796.	

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		Application Number	10/815,788		
		Filing Date	April 2, 2004		
		First Named Inventor	Gordana Vunjak-Novakovic		
		Art Unit	1657		
		Examiner Name	Satyendra K. Singh		
Sheet	9	of	9	Attorney Docket Number	103248-010501

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		Copy of an International Preliminary Report on Patentability issued on July 28, 2009 in connection with International Patent Application No. PCT/US2008/051796.	
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		Copy of an International Search Report issued on July 6, 2009 in connection with International Patent Application No. PCT/US2009/001459.	
		Copy of a Written Opinion issued on July 6, 2009 in connection with International Patent Application No. PCT/US2009/001459.	
		Copy of Supplemental European Search Report issued on June 19, 2006 in connection with European Patent Application No. 04749924.9	
		Copy of Communication issued on September 8, 2006 in connection with European Patent Application No. 04749924.9	
		Copy of Australian Office Action issued on April 24, 2007 in connection with Australian Patent Application No. 2004235291	
		Copy of New Zealand Office Action issued on November 7, 2007 in connection with New Zealand Patent Application. No. 543665	
		Copy of Canadian Office Action issued on August 24, 2009 in connection with Canadian Patent Application No. 2,563,082	
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Examiner Signature	/Satyendra Singh/	Date Considered	03/04/2010
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